

**METHOD FOR THE PREPARATION OF A WEAK ACID CATION
EXCHANGE RESIN, WEAK ACID CATION EXCHANGE RESIN, AND
DOWN STREAM PRODUCTS MADE USING THE RESIN**

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ABSTRACT OF THE DISCLOSURE

The present invention provides a method and system of making a weak acid cation exchange resin. The method includes converting a swollen form weak acid cation exchange resin to a converted, unswollen form weak acid cation exchange resin, and steam cleaning the converted, unswollen form weak acid cation ion exchange resin to obtain a cleaned weak acid cation exchange resin in an unswollen form. Commercially valuable resins, products containing the resins, products made using the improved resins, and systems containing the resins are also provided herein. Exemplary products and systems include potable water purification systems and disposable cartridges.

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